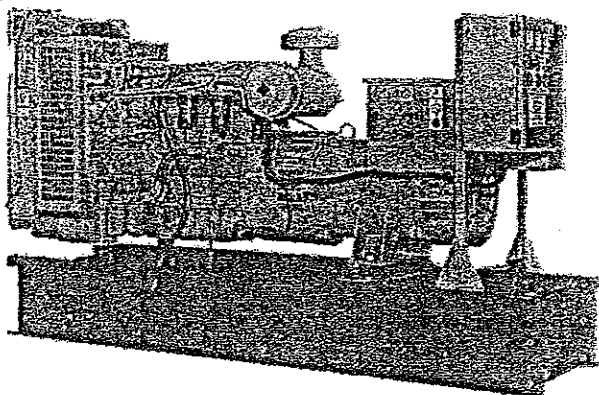


# DIESEL GENERATOR SETS

**OLYMPIAN™**

Exclusively from your Caterpillar® dealer



**STANDBY 90-150 kW**  
**PRIME 82.4-114 kW**  
**60 Hz**

Model	Standby kW (kVA)	Prime kW (kVA)
D90P1	90 (112.5)	82.4 (103)
D100P1	100 (125)	90 (112.5)
D100P2*	100 (125)	90 (112.5)
D125P1	125 (156.3)	114 (142.5)
D125P2*	125 (156.3)	114 (142.5)
D150P1	150 (187.5)	N/A

\*EPA Approved, Emissions Certified

## FEATURES

### GENERATOR SET

- Complete system designed and built at ISO 9001 certified facilities
- Factory tested to design specifications at full load conditions

### ENGINE

- Governor, electronic (D125P1, D125P2, D150P1)
- Governor, mechanical (D90P1, D100P1, D100P2)
- Electrical system, 12 VDC
- Cartridge type filters
- Battery(s), rack and cables
- Coolant and lube drains piped to edge of base

### GENERATOR

- Insulation system, class H
- Drip proof alternator air intake (NEMA 2, IP23)
- Electrical design in accordance with BS5000 Part 99, IEC34-1, VDE0530, UTE51100, NEMA MG-1.22

### CONTROL SYSTEM

- 2001 Autostart control panel
- Vibration isolated NEMA 1 enclosure with lockable hinged door
- DC and AC wiring looms

### MOUNTING ARRANGEMENT

- Heavy-duty fabricated steel base with lifting points
- Directly mounted 10 dB(A) silencer
- Complete OSHA guarding
- Flexible fuel lines to base with NPT connections
- Anti-vibration pads to ensure vibration isolation
- Stub-up pipe ready for connection to silencer pipework

### COOLING SYSTEM

- Radiator and cooling fan complete with protective guards
- Standard ambient temperatures up to 122° F (50° C)

### CIRCUIT BREAKER

- UL/CSA listed
- 3-pole with solid neutral
- NEMA 1 steel enclosure, vibration isolated
- Electrical stub-up area directly below circuit breaker

### AUTOMATIC VOLTAGE REGULATOR

- Voltage within  $\pm 0.5\%$  at steady state from no load to full load
- Provides fast recovery from transient load changes

### EQUIPMENT FINISH

- All electroplated hardware
- Anticorrosive paint protection
- High gloss polyurethane paint for durability and scuff resistance

### QUALITY STANDARDS

- BS4999, BS5000, BS5514, IEC34, VDE0530, NEMA MG-1.22, NFPA 110 (with optional equipment)

### DOCUMENTATION

- Operation and maintenance manuals provided
- Wiring diagrams included

### WARRANTY

- 12 months from date of initial start-up or 18 months from shipping, whichever occurs first

Materials and specifications are subject to change without notice.

**WHERE THE WORLD TURNS FOR POWER**

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**STANDBY 90-150 kW**  
**PRIME 82.4-114 kW**  
**60 Hz**

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## SPECIFICATIONS

### GENERATOR

Voltage Regulation .....  $\pm 0.5\%$  at steady state from  
no load to full load  
Frequency .....  $\pm 0.8\%$  for constant load,  
no load to full load  
Waveform Distortion ..... THD  $< 1.8\%$ , at no load  
Radio Interference ..... Compliance with BS800 and  
VDE Class G&N  
Telephone Interference ..... TIF  $< 50$ , THF  $< 2\%$   
Overspeed Limit ..... 2250 rpm  
Insulation ..... Class H  
Temperature Rise ..... Within Class H limits  
Available Voltages ..... 277/480, 266/460, 120/240,  
127/220, 120/208, 347/600  
Deration ..... Consult factory for available outputs  
Ratings ..... At 86° F (30° C), 500 ft. (152.4 m),  
60% humidity, 0.8 pf

### ENGINE

Manufacturer ..... Perkins  
Type ..... 4-Cycle  
Cylinder Configuration ..... In-line 6  
Displacement — cu in (L) ..... 366 (6.0)  
Bore — in (mm) ..... 3.94 (100.0)  
Stroke — in (mm) ..... 5.00 (127.0)  
Compression Ratio  
D90P1, D100P1, D100P2, D125P1, D150P1 .... 16.0:1  
D125P2 ..... 17.0:1  
Governor  
Type  
D90P1, D100P1, D100P2 ..... Mechanical  
D125P1, D125P2, D150P1 ..... Electronic  
Class ..... A1  
Piston Speed — ft/sec (m/sec) ..... 25.0 (7.62)  
Engine speed — rpm ..... 1800  
Air Cleaner Type ..... Dry, replaceable paper  
element type with restriction indicator  
Regenerative Power — kW ..... 16.2

#### D90P1 — 1006TG1A

Max Power at Rated rpm — hp (kW)  
Standby ..... 152 (113)  
Prime ..... 136 (102)  
BMEP — psi (kPa)  
Standby ..... 183 (1259)  
Prime ..... 164 (1133)  
Aspiration ..... Turbocharged

## RATING DEFINITIONS

**Standby** — Applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The generator is peak rated (as defined in ISO8528-3).

#### D100P1 — 1006TG2A

Max Power at Rated rpm — hp (kW)  
Standby ..... 166 (124)  
Prime ..... 151 (112)  
BMEP — psi (kPa)  
Standby ..... 202 (1393)  
Prime ..... 182 (1253)  
Aspiration ..... Turbocharged

#### D100P2 — 1006-6T

Max Power at Rated rpm — hp (kW)  
Standby ..... 166 (124)  
Prime ..... 150 (112)  
BMEP — psi (kPa)  
Standby ..... 200 (1376)  
Prime ..... 182 (1253)  
Aspiration ..... Turbocharged

#### D125P1 — 1006TAG

Max Power at Rated rpm — hp (kW)  
Standby ..... 219 (163)  
Prime ..... 201 (150)  
BMEP — psi (kPa)  
Standby ..... 266 (1836)  
Prime ..... 234 (1610)  
Aspiration ..... Turbocharged, AA Charge

#### D125P2 — 1006TA

Max Power at Rated rpm — hp (kW)  
Standby ..... 216 (162)  
Prime ..... 197 (147)  
BMEP — psi (kPa)  
Standby ..... 262 (1799)  
Prime ..... 238 (1635)  
Aspiration ..... Turbocharged, AA Charge

#### D150P1 — 1006TAG1

Max Power at Rated rpm — hp (kW)  
Standby ..... 219 (163)  
Prime ..... N/A  
BMEP — psi (kPa)  
Standby ..... 266 (1836)  
Prime ..... N/A  
Aspiration ..... Turbocharged, AA Charge Cooled



### CONTROL PANEL

NEMA 1 steel enclosure with lockable hinged door  
Vibration isolated mounted Autostart control panel  
Single location customer connector point  
Electrical stub-up area directly below control panel

**Prime** — Applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and the generator set can supply 10 percent overload power for 1 hour in 12 hours.

Consult your Olympian representative for more information.

www.CAT-ElectricPower.com

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## SERVICE REPORT

DEALER - TOP COPY CUSTOMER - BOTTOM COPY

## SERVICE REPORT

APPROVED BY \_\_\_\_\_

WORK ORDER NO.	SEGMENT 01	LABOR CHARGE CODE	OPERATION	EMPLOYEE NO. 8031	SHIFT 1	EMPLOYEE NAME R. CAMACHO	DATE 11/20/06
CUSTOMER NAME JYS		CUST. NO.	STORE 82	COST CTR FJ	F/R OR EXCH NO	<input type="checkbox"/> HMC H190 <input type="checkbox"/> HPS H192 <input type="checkbox"/> HMS H150 <input type="checkbox"/> HDM H191 <input type="checkbox"/> HRIS BR <input type="checkbox"/> HLS RB <input type="checkbox"/> HLS FONT	OT / PT / SPL ELAPSED TIME OT / PT / SPL ELAPSED TIME OT / PT / SPL ELAPSED TIME
MAKE OLY	MODEL DISOP1	SERIAL NUMBER OLY00000UNAT00127	ARRG NO	STD HOURS 410	JOB DESCRIPTION CHG DSL CHG DEO MLG VEH CHG 10W CHG 30W COST SELL HOURS, MILES ELAPSED TIME		

PART NUMBER RESPONSIBLE	PART NAME	QTY	DESC. CODE	GROUP NUMBER CONTAINING PART	GROUP NAME	DID THIS INCIDENT MAKE THE INOPERABLE PRODUCT	DESCRIPTIVE COMMENTS (20 SPACES MAXIMUM PER INCIDENT)
						<input type="checkbox"/> YES <input type="checkbox"/> NO	
						<input type="checkbox"/> YES <input type="checkbox"/> NO	
						<input type="checkbox"/> YES <input type="checkbox"/> NO	

A - Structural    B - Surface    C - Leaks    D - Factory Assembly    E - System Malfunction    F - Factory Shipping    G - General Repair    H - Adjustments    K - Serviceability    N - Abuse    X - OPERATION COMPLAINT  
 WHAT WAS THE CUSTOMER COMPLAINT? MONTHLY INSPECTION.

ADDITIONAL COMMENTS  
THE CAUSE OF FAILURE?

WHAT WAS THE RESULTANT DAMAGE?

HOW DID YOU REPAIR IT?

PERFORM MONTHLY INSPECTION.  
Check all fluids. Run unit and warm up.

CUSTOMER SIGNATURE

SERVICEMAN SIGNATURE



**HAWTHORNE****SERVICE REPORT**

APPROVED BY \_\_\_\_\_

WORK ORDER NO.	REAGENT	LABOR CHARGE CODE	OPERATION	EMPLOYEE NO.	SHIFT	EMPLOYEE NAME	DATE
				8031	1	R. CAMACHO	11/10/06
CUSTOMER NAME		CUST. NO.	STORE	COST CTR	PRC		
DYS			82				
MAKE	MODEL	SERIAL NUMBER		ARRG(N)			
OLY	DP 150						

JOB DESCRIPTION

KACMAN JUVENILE CENTER

ATTN: NADIA

FROM: Ray

CHG	CHG	MLG	VEH	CHG	CHG	COST
DSL	DEO			LOW	30W	

PART NUMBER RESPONSIBLE	PART NAME	QTY	DESC. CODE	GROUP NUMBER CONTAINING PART	GROUP NAME

FIS  
(IDENT)

DESCRIPTIVE CODES	A - Structural B - Surface	C - Leaks D - Factory Assembly	E - System Malfunction F - Factory Shipping	G - General Repair H - Adjustments	K - Serviceability N - Abuse	X - OPERATION COMPLAINT
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WHAT WAS THE CUSTOMER COMPLAINT?

Monthly

P.M.

ADDITIONAL COMMENTS  
THE CAUSE OF FAILURE?WHAT WAS THE  
RESULTANT DAMAGE?HOW DID YOU  
REPAIR IT?

PERFORM

Monthly

P.M.

Run unit

and warm up.

CUSTOMER  
SIGNATURESERVICEMAN  
SIGNATURE

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**HAWTHORNE****SERVICE REPORT**

APPROVED BY \_\_\_\_\_

WORK ORDER NO.	SEGMENT	LABOR CHARGE CODE	OPERATION	EMPLOYEE NO. 8031	SHIFT 1	EMPLOYEE NAME R. CAMACHO	DATE 10/13/06
CUSTOMER NAME D Y S						CUST. NO. 82	STORE 82
MAKE OLY		MODEL DP150		SERIAL NUMBER		ARRG NO.	STD HOURS
JOB DESCRIPTION KAGMAN JUVENILE CENTER							
CHG DSL	CHG DEO	MLG	VEH	CHG 1.0W	CHG 30W	COST	SELL
HOURS, MILES						ELAPSED TIME	START STOP

PART NUMBER RESPONSIBLE	PART NAME	QTY	DESC. CODE	GROUP NUMBER CONTAINING PART	GROUP NAME	DID THIS INCIDENT MAKE THE INOPERABLE PRODUCT	DESCRIPTIVE COMMENTS (20 SPACES MAXIMUM PER INCIDENT)
						YES NO	
						YES NO	
						YES NO	

A - Structural    C - Leaks    E - System Malfunction    G - General Repair    K - Serviceability    X - OPERATION COMPLAINT  
 B - Surface    D - Factory Assembly    F - Factory Shipping    H - Adjustments    N - Abuse

WHAT WAS THE CUSTOMER COMPLAINT? Monthly P.M.

ADDITIONAL COMMENTS  
THE CAUSE OF FAILURE?

WHAT WAS THE RESULTANT DAMAGE?

HOW DID YOU REPAIR IT? PERFORM Monthly P.M. Run unit

and warm up.

CUSTOMER SIGNATURE \_\_\_\_\_

SERVICEMAN SIGNATURE \_\_\_\_\_

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